

ABSTRACT

Compositions and methods are described herein for use in packaging having improved moisture vapor barrier properties. In certain embodiments of the present invention, 5 packaging articles can be made having improved oxygen barrier properties as well.

Compositions of the present invention can comprise a low molecular weight hydrogenated aliphatic resin and either a high density polyethylene or a branched or linear low density polyethylene. The low molecular weight hydrogenated aliphatic resin has a weight-average molecular weight of less than about 2000 g/mol. Preferably, the low molecular weight hydrogenated aliphatic resin comprises hydrogenated poly (dicyclopentadiene) or the product 10 of hydrogenating a polymer produced by polymerizing a reaction mixture comprising dicyclopentadiene.